

FIG.1

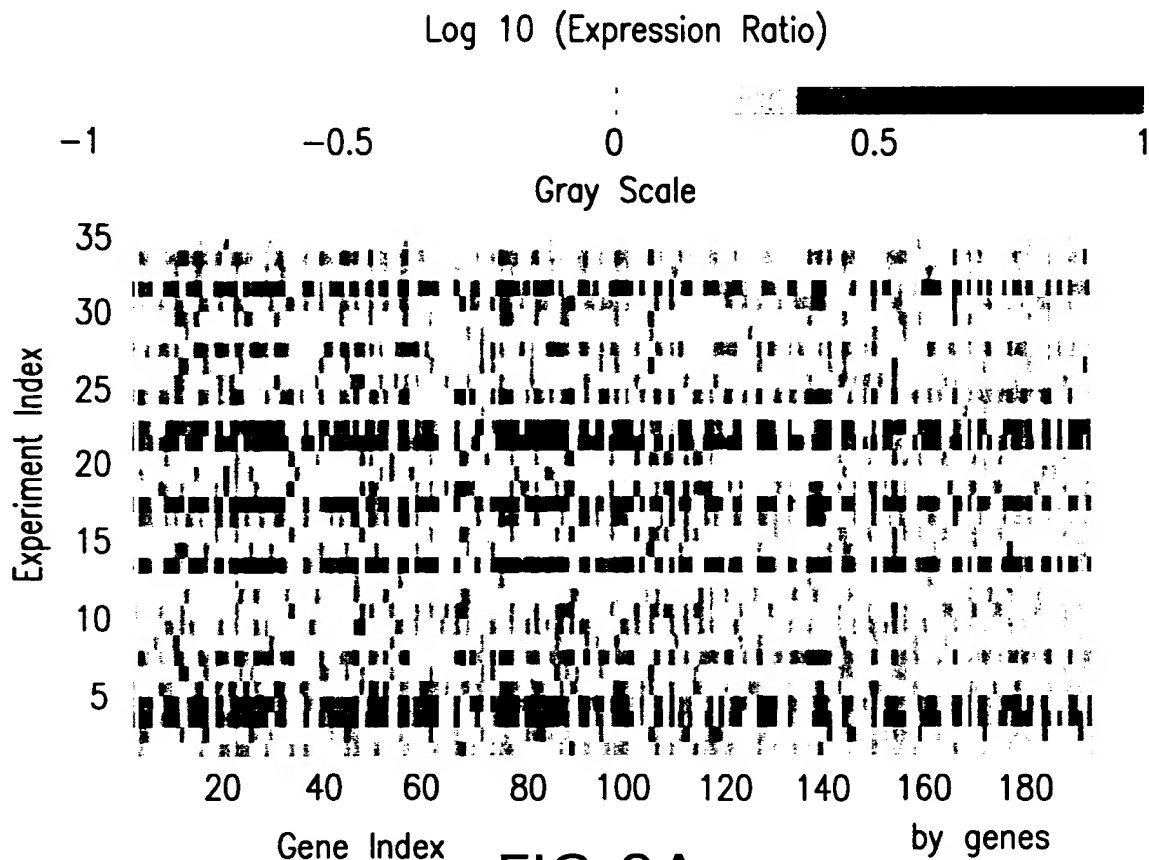


FIG.2A

To
↓ FIG.2B

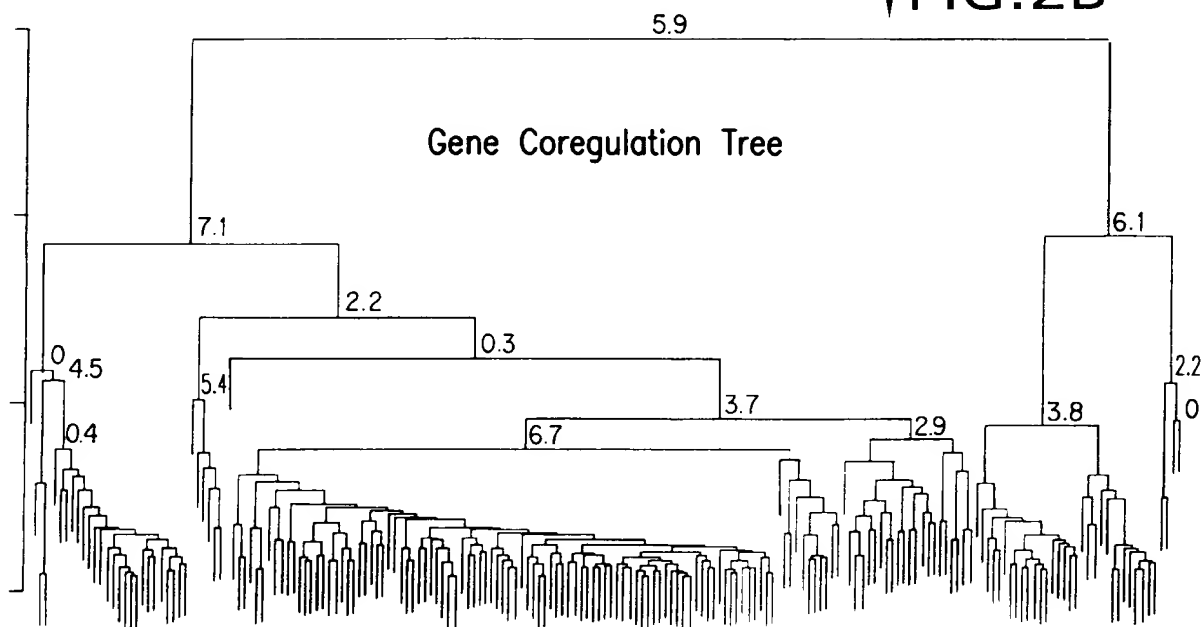


FIG.2B

To
↓ FIG.2C

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Docket: 9301-035-999
 Serial No.: 09/220,142
 Inventor(s): Friend et al.
 Title: Methods of Characterizing Drug
 Activities Using Consensus Profiles

Log 10 (Expression Ratio)

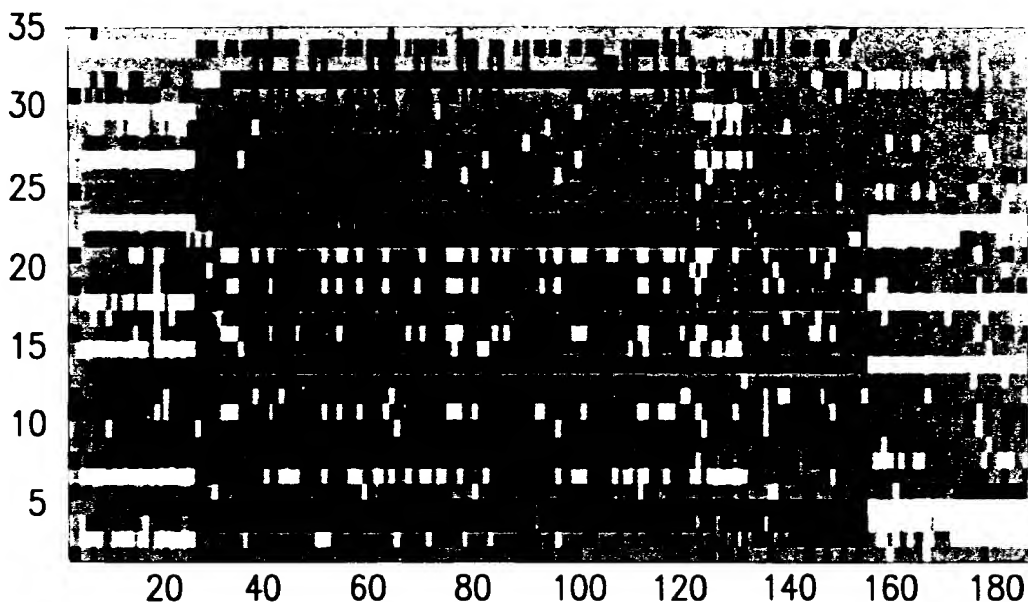
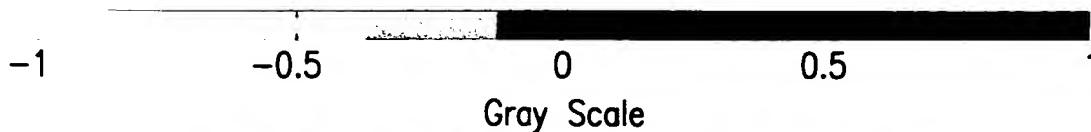


FIG. 2C

By
Experiment.
To
FIG. 2D

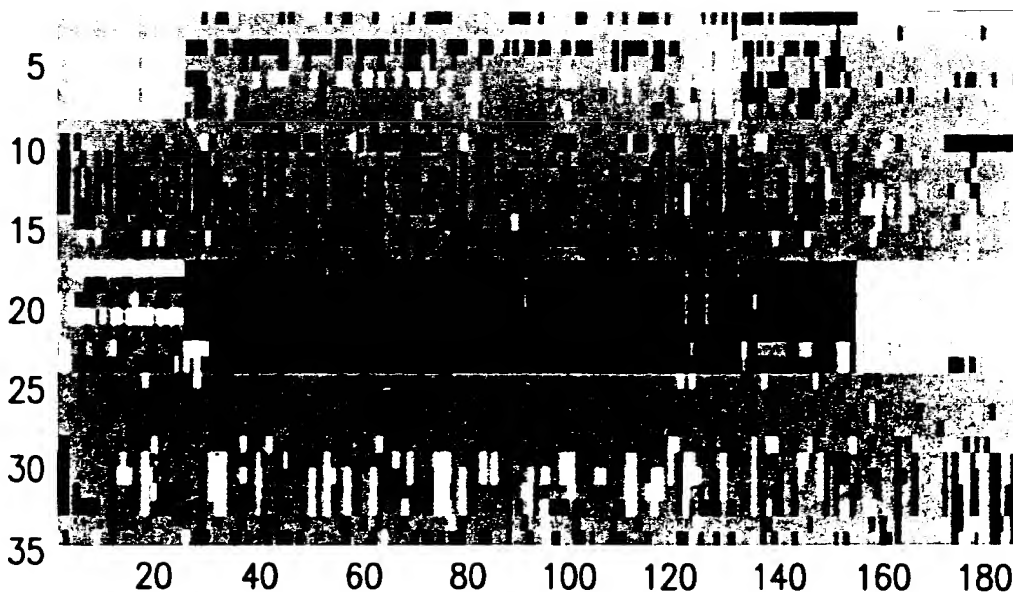


FIG. 2D

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DRAFTSMAN	

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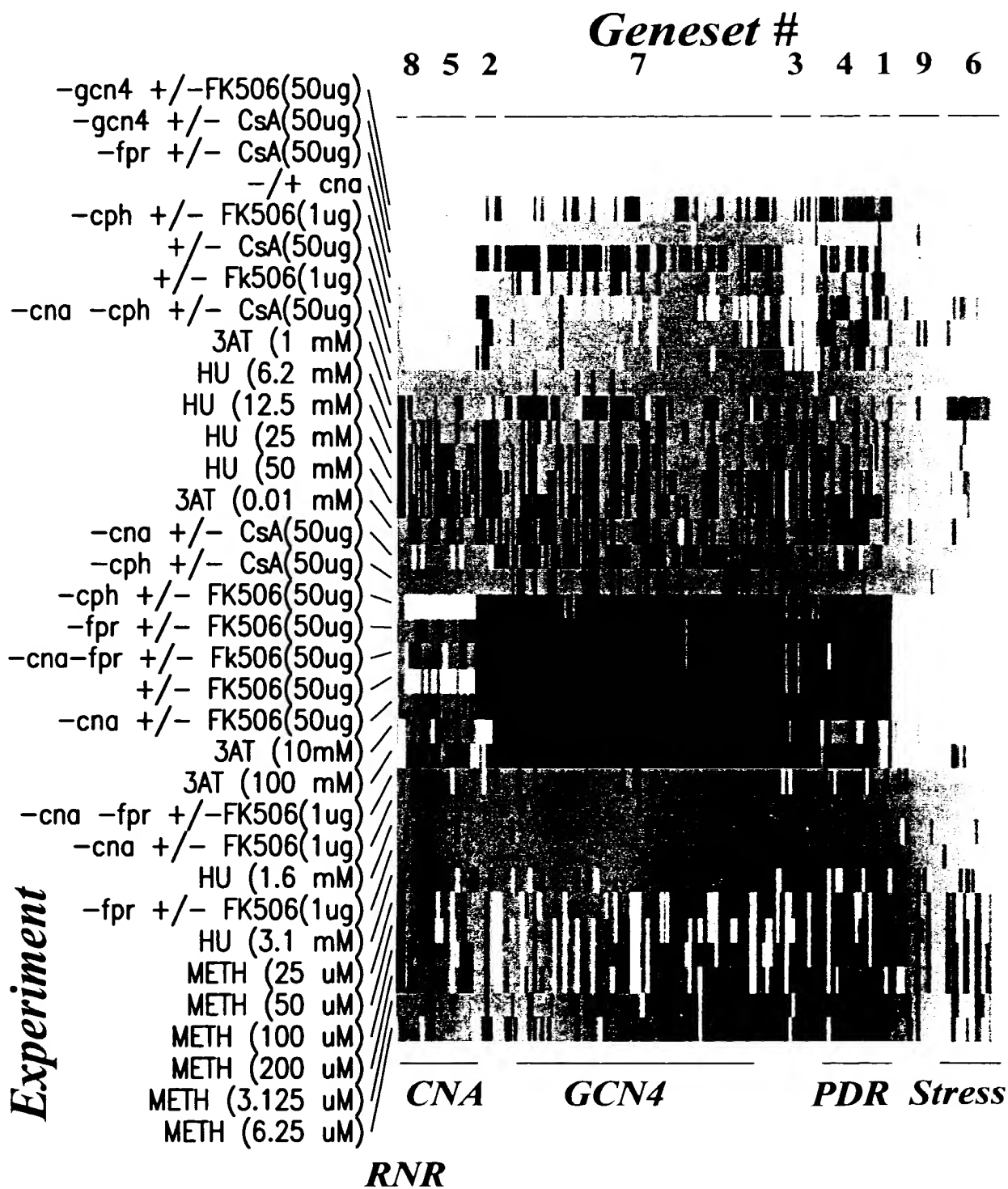


FIG.3

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DATE		

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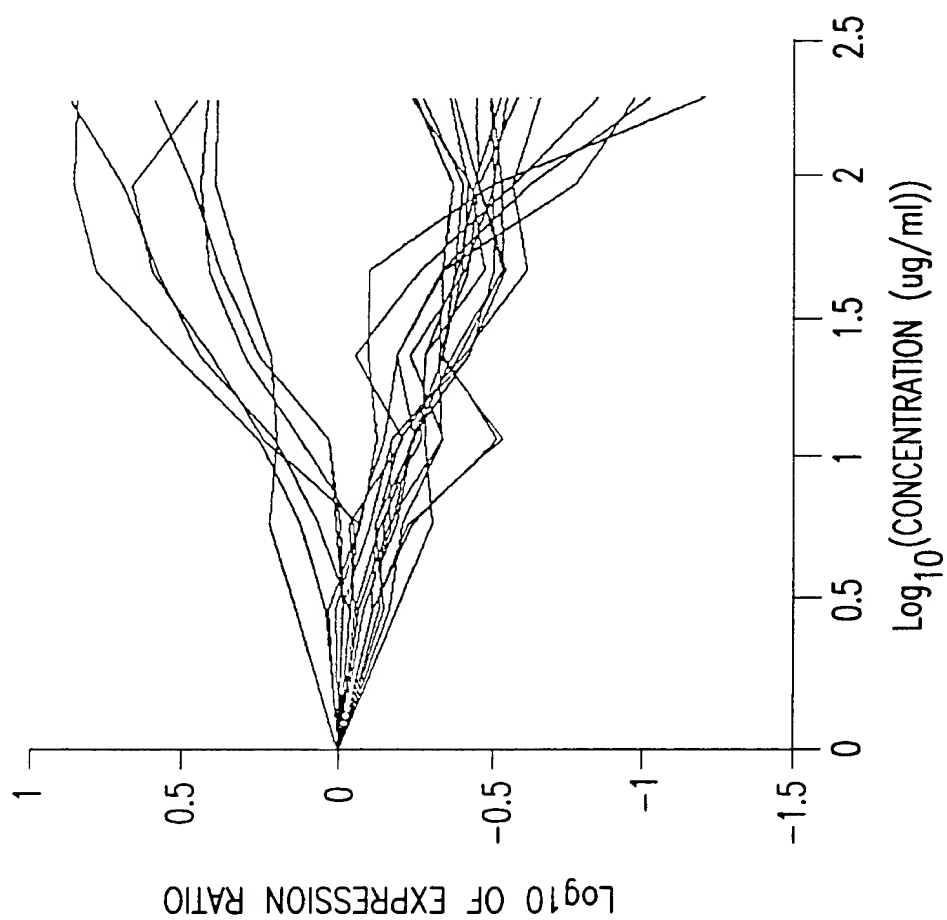


FIG.4

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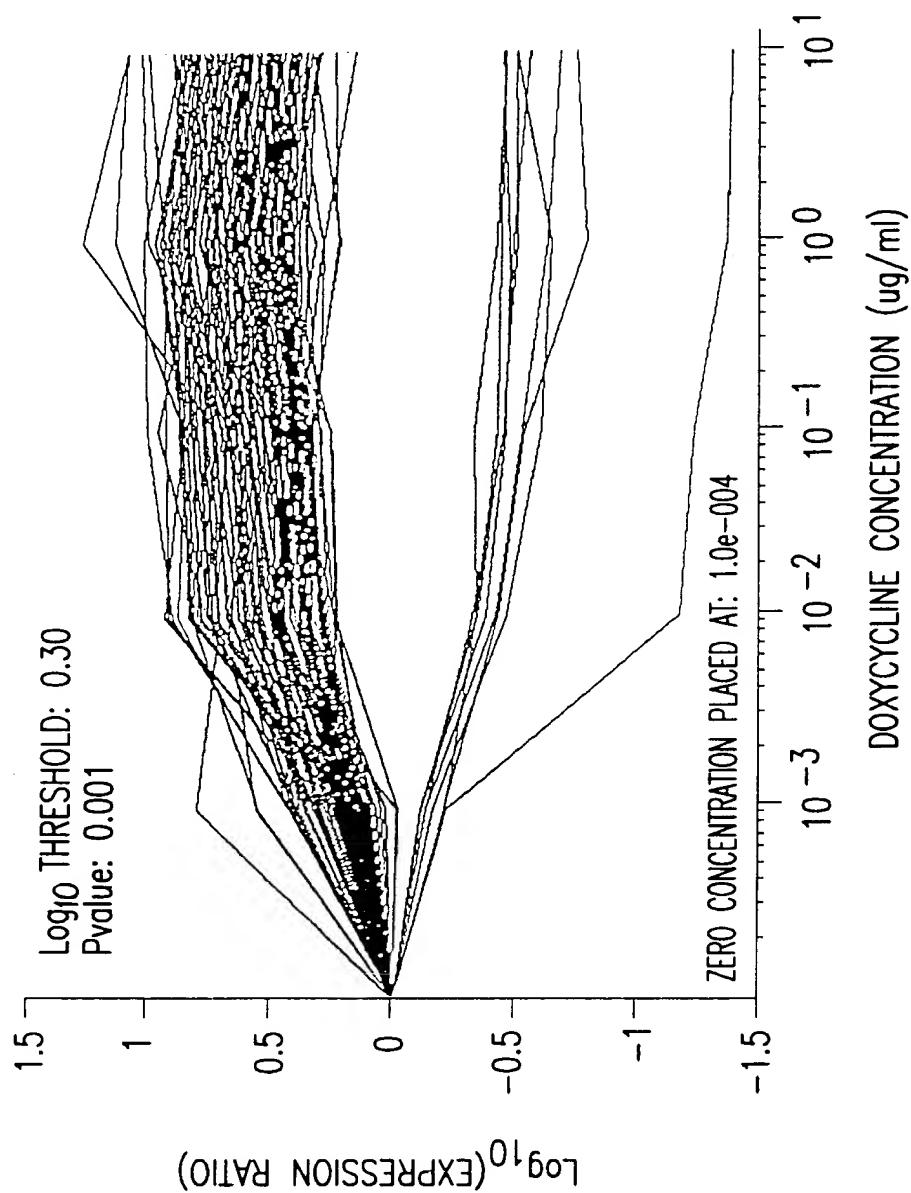


FIG.5

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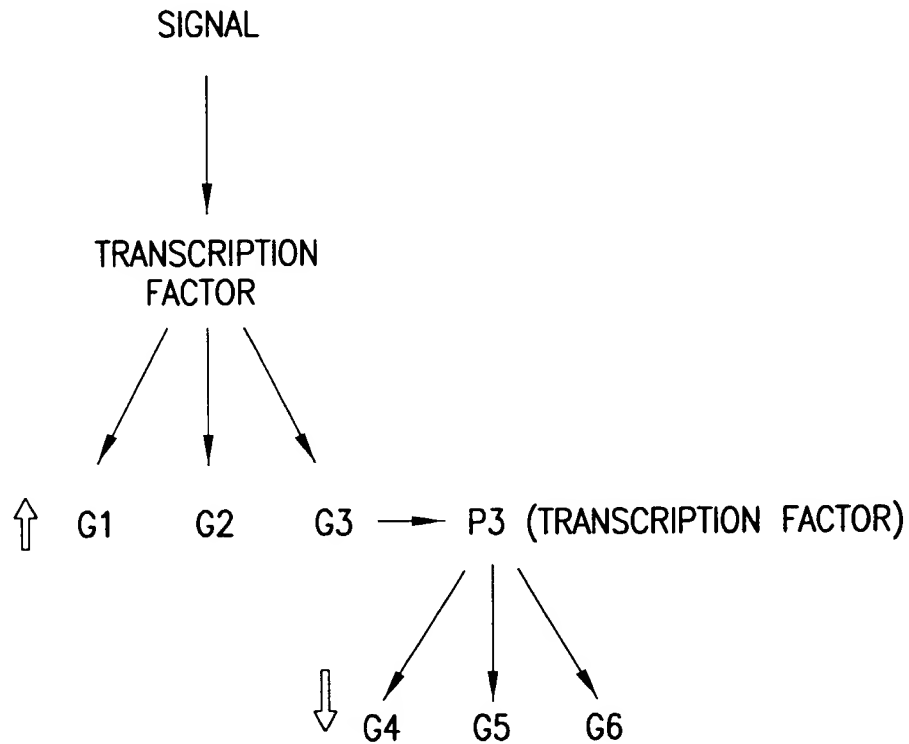


FIG.6

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BY	DATE	SIGNATURE

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 Activities Using Consensus Profiles

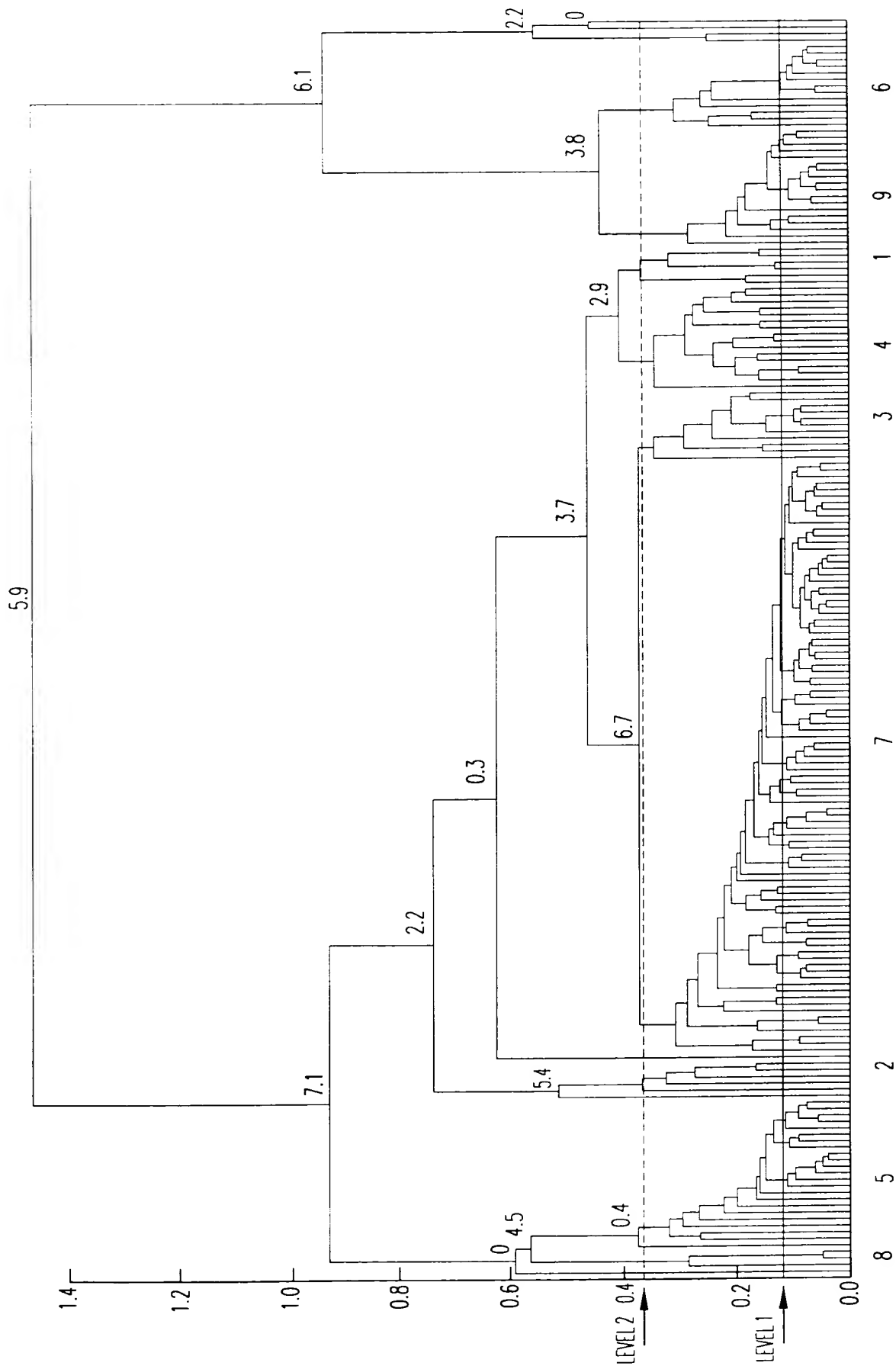


FIG.7

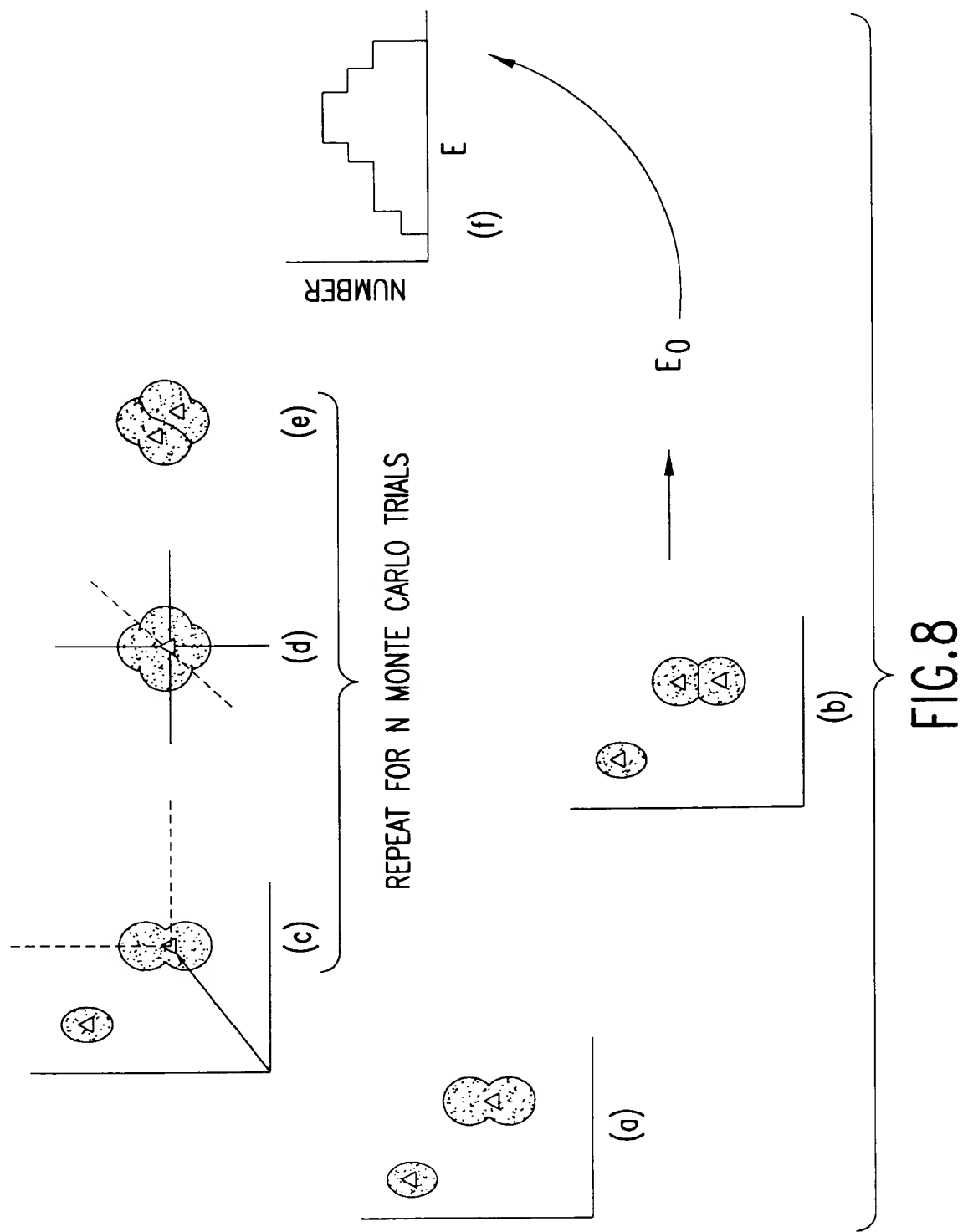


FIG. 9

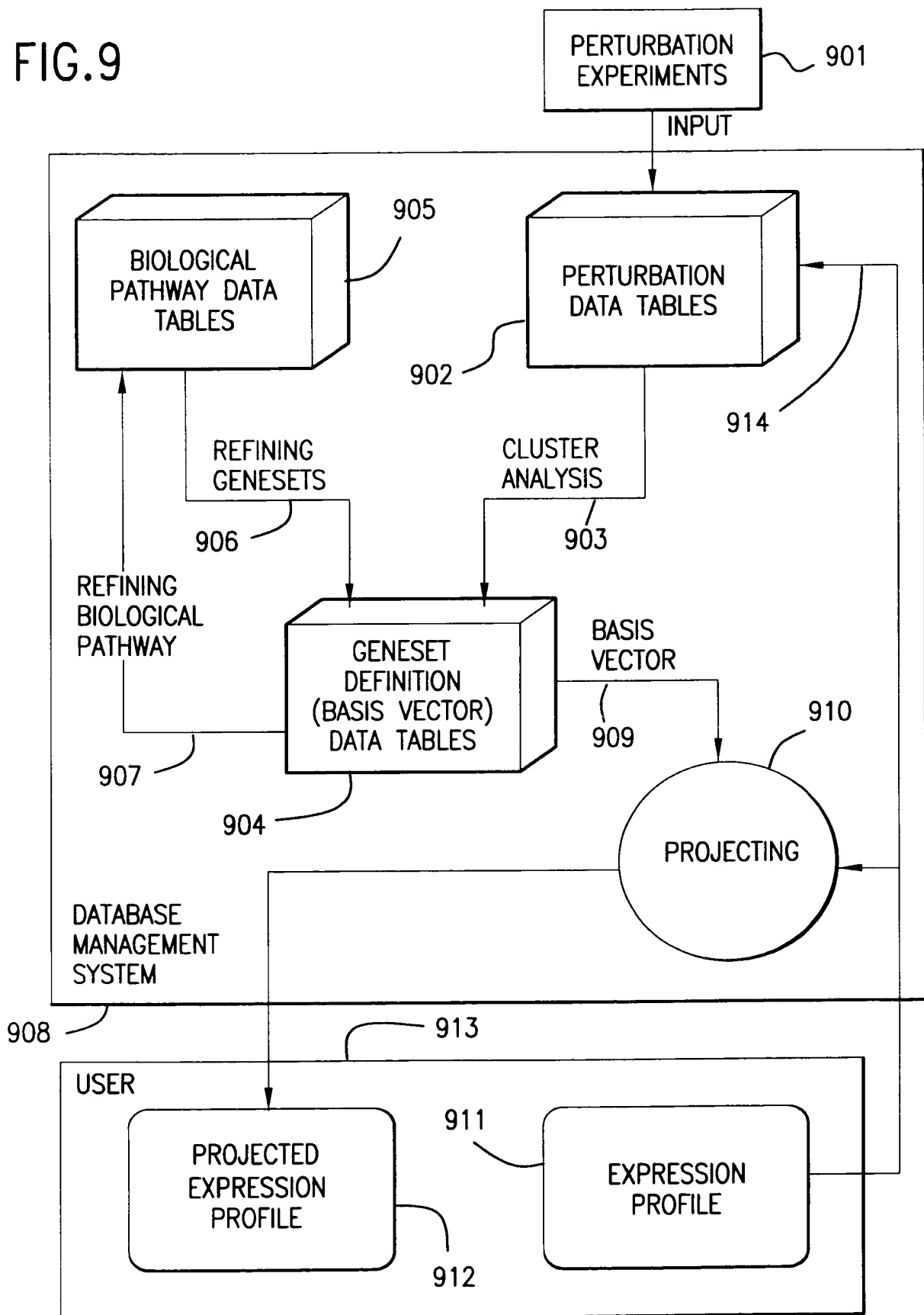
```
graph TD
    901[PERTURBATION EXPERIMENTS] -- INPUT --> 902[PERTURBATION DATA TABLES]
    905[BIOLOGICAL PATHWAY DATA TABLES] -- "REFINING GENESETS 906" --> 904[GENESET DEFINITION (BASIS VECTOR) DATA TABLES]
    902 -- "CLUSTER ANALYSIS 903" --> 904
    904 -- "BASIS VECTOR 909" --> 910((PROJECTING))
    904 -- "REFINING BIOLOGICAL PATHWAY 907" --> 905
    910 -- "914" --> 902
    908[DATABASE MANAGEMENT SYSTEM] <--> 905
    908 <--> 902
    908 <--> 910
    908 -- "913" --> 911[PROJECTED EXPRESSION PROFILE]
    911 -- "912" --> 912[EXPRESSION PROFILE]
    912 --> 910
```

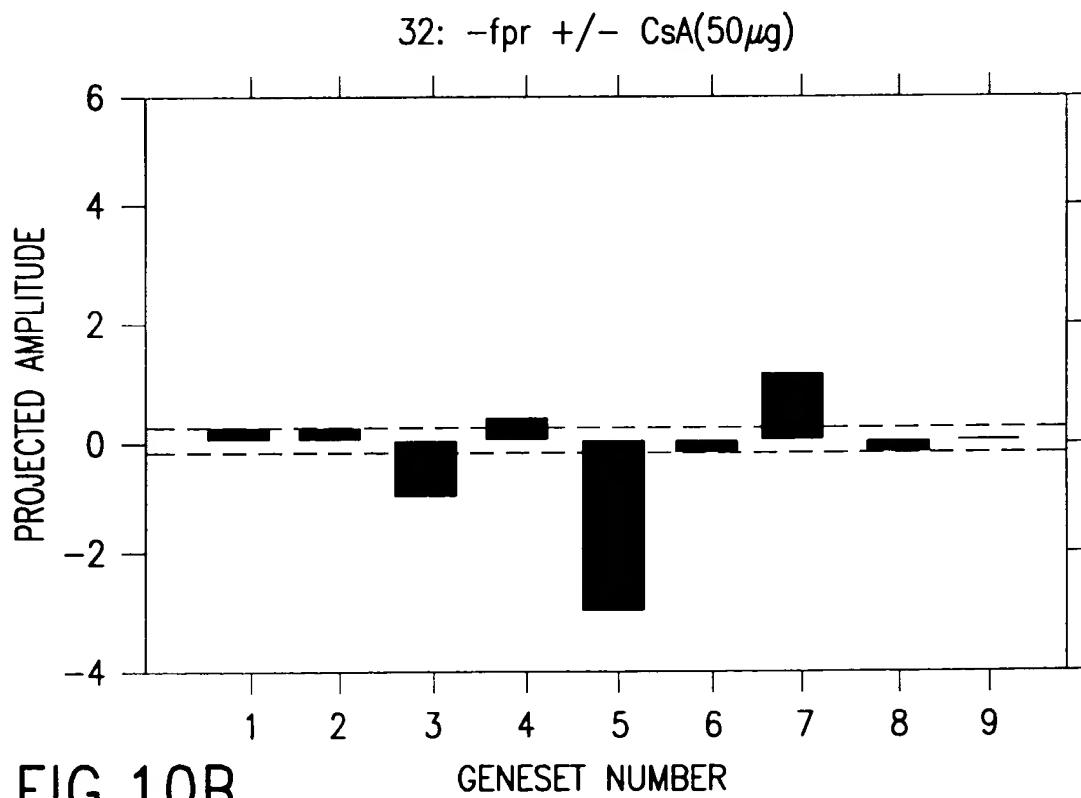
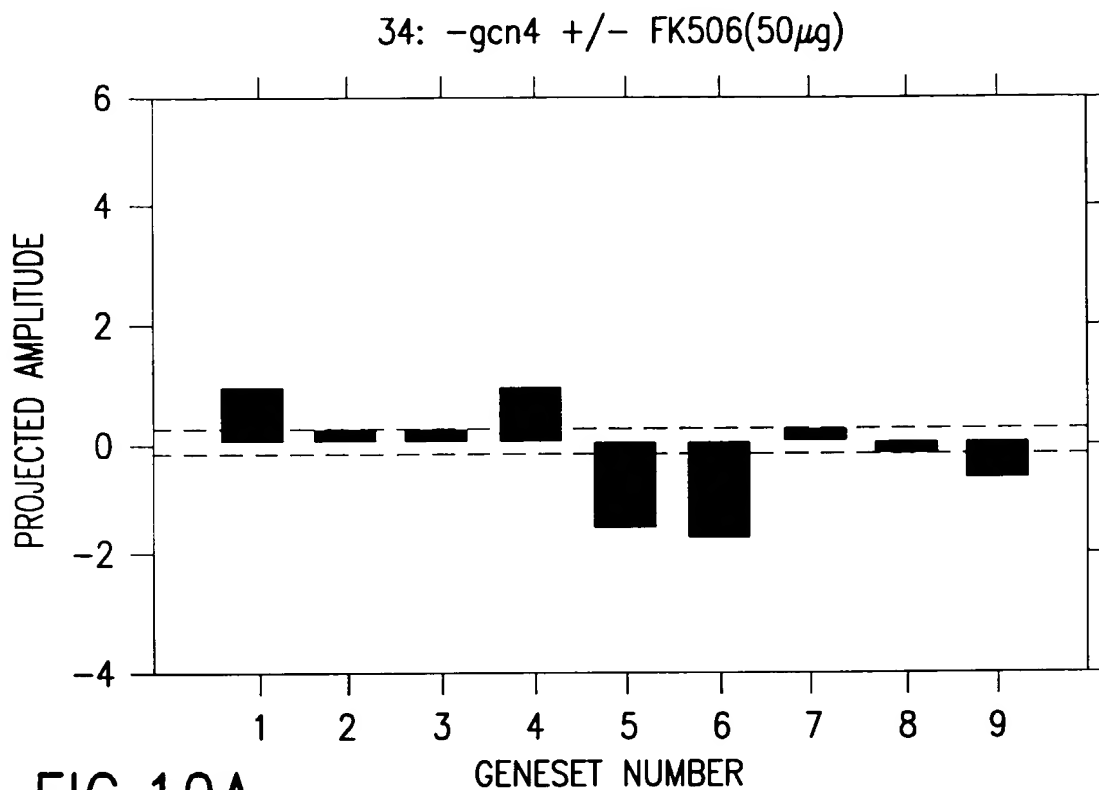
The flowchart illustrates the system architecture for projecting expression profiles. It is divided into three main sections: a top section for data input, a middle section for processing, and a bottom section for user interaction.

Top Section: A box labeled "PERTURBATION EXPERIMENTS" (901) provides an "INPUT" to a box labeled "PERTURBATION DATA TABLES" (902).

Middle Section: A box labeled "BIOLOGICAL PATHWAY DATA TABLES" (905) sends "REFINING GENESETS" (906) to a box labeled "GENESET DEFINITION (BASIS VECTOR) DATA TABLES" (904). The "PERTURBATION DATA TABLES" (902) send "CLUSTER ANALYSIS" (903) to the same box (904). The "GENESET DEFINITION (BASIS VECTOR) DATA TABLES" (904) send a "BASIS VECTOR" (909) to a circle labeled "PROJECTING" (910). The "GENESET DEFINITION (BASIS VECTOR) DATA TABLES" (904) also send "REFINING BIOLOGICAL PATHWAY" (907) back to the "BIOLOGICAL PATHWAY DATA TABLES" (905). The "PROJECTING" (910) circle sends data (914) back to the "PERTURBATION DATA TABLES" (902).

Bottom Section: A box labeled "USER" contains two boxes: "PROJECTED EXPRESSION PROFILE" (911) and "EXPRESSION PROFILE" (912). A "DATABASE MANAGEMENT SYSTEM" (908) is connected to the "BIOLOGICAL PATHWAY DATA TABLES" (905), "PERTURBATION DATA TABLES" (902), and the "PROJECTING" (910) circle. The "DATABASE MANAGEMENT SYSTEM" (908) sends data (913) to the "PROJECTED EXPRESSION PROFILE" (911). The "PROJECTED EXPRESSION PROFILE" (911) sends data (912) to the "EXPRESSION PROFILE" (912). The "EXPRESSION PROFILE" (912) sends data back to the "PROJECTING" (910) circle.





Patent No.	09 220,142
BY	GRANT SUBMITTED
REVIEW	

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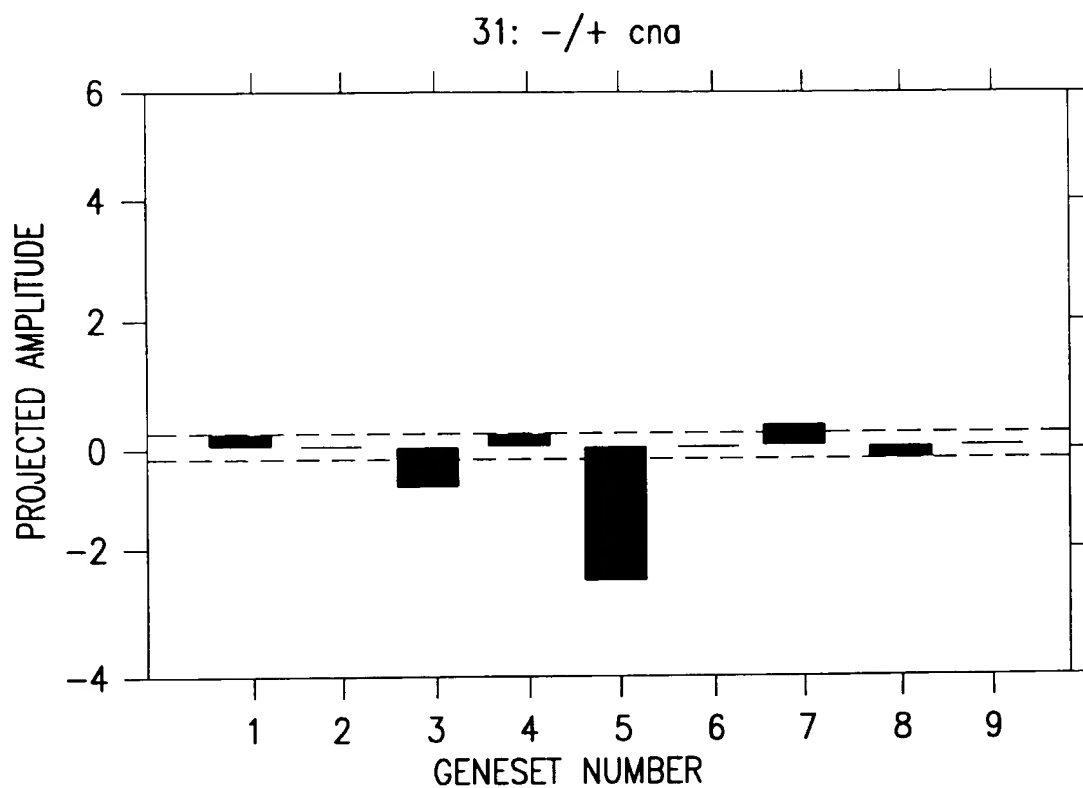


FIG.10C

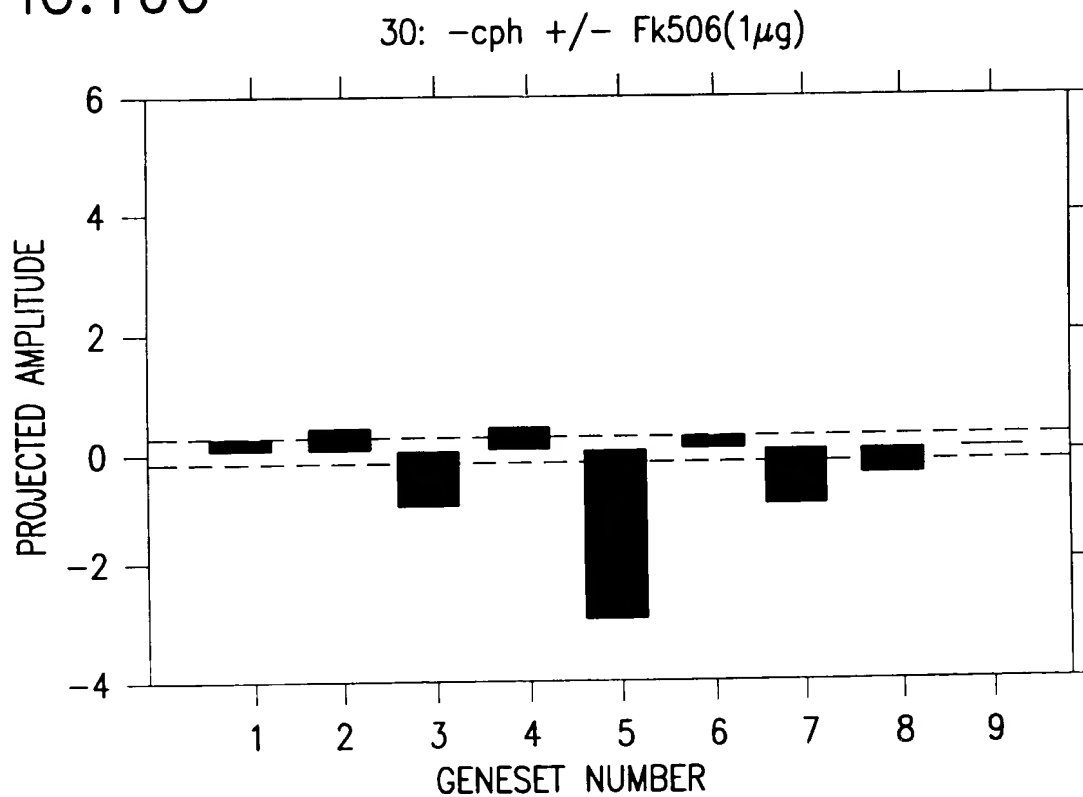
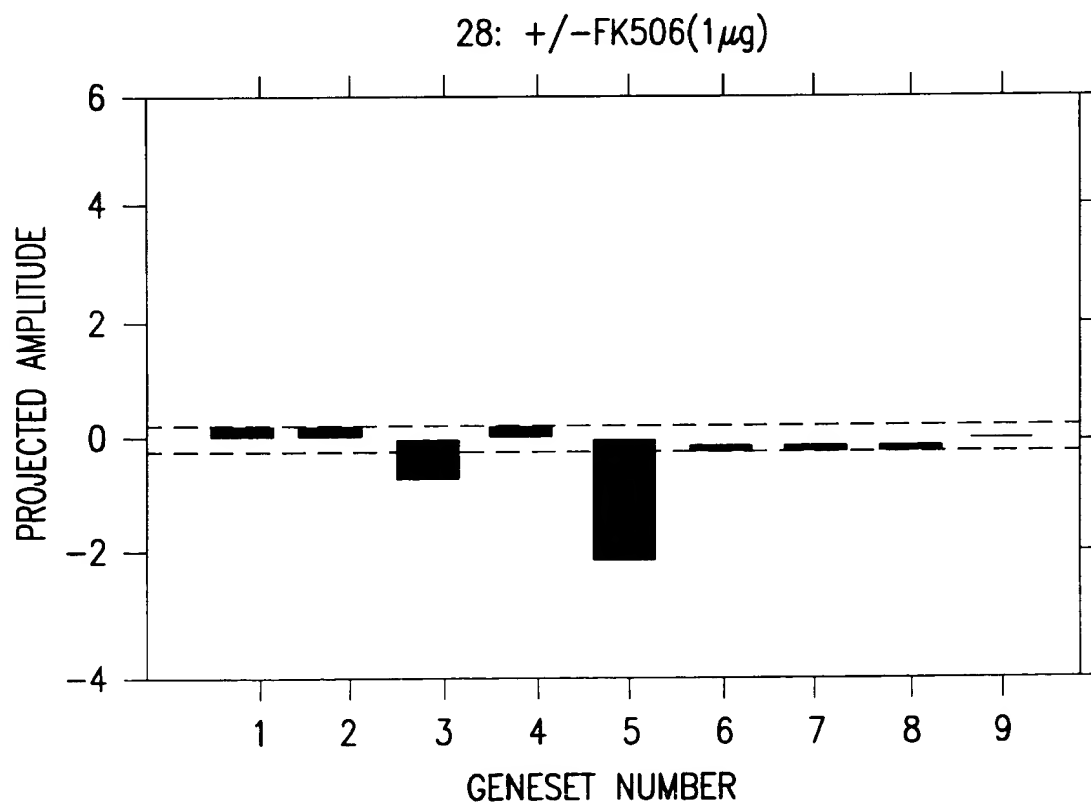
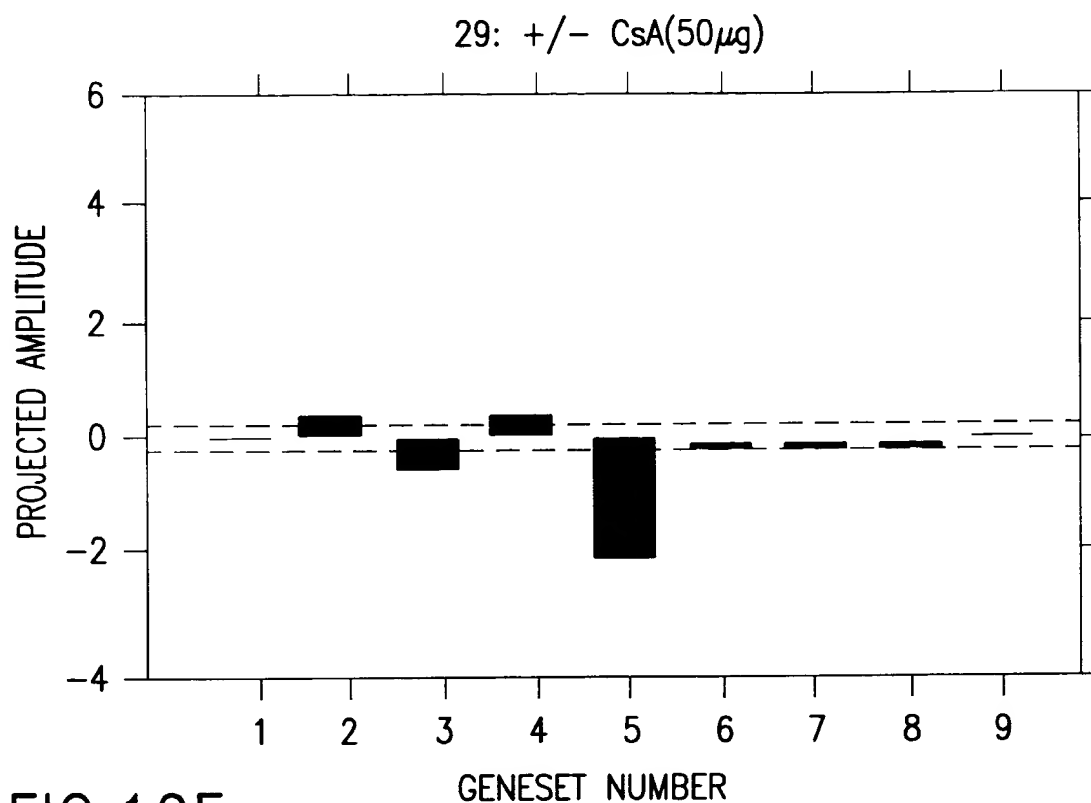


FIG.10D



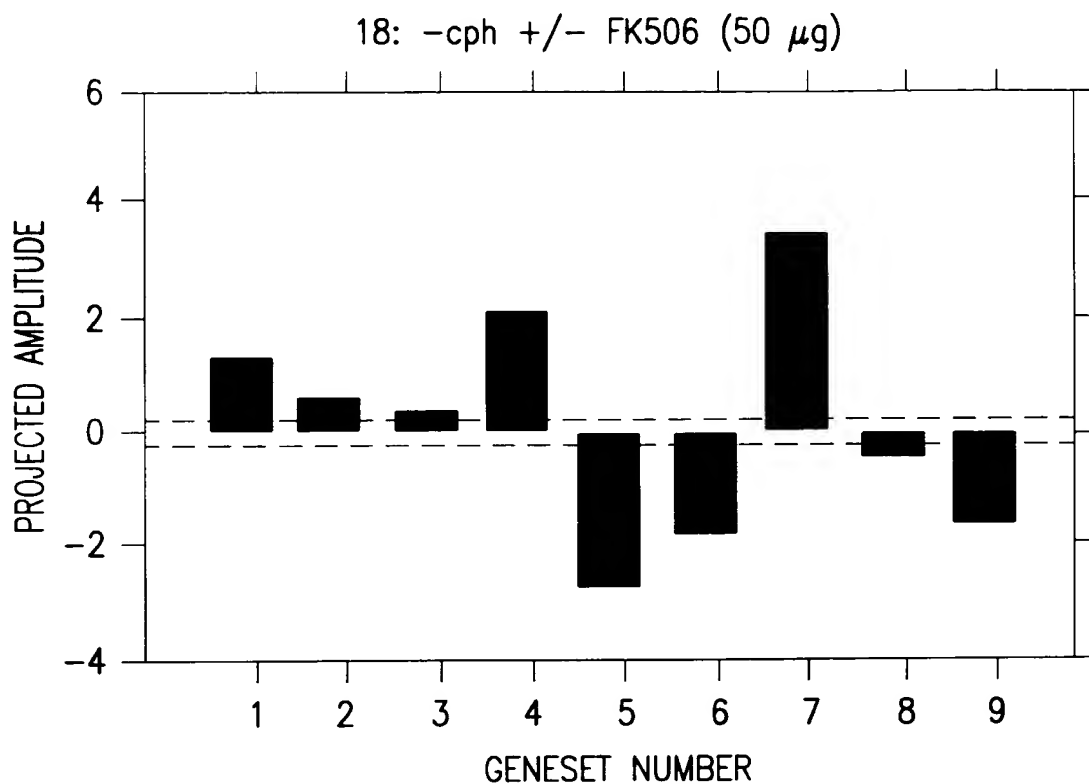


FIG.10G

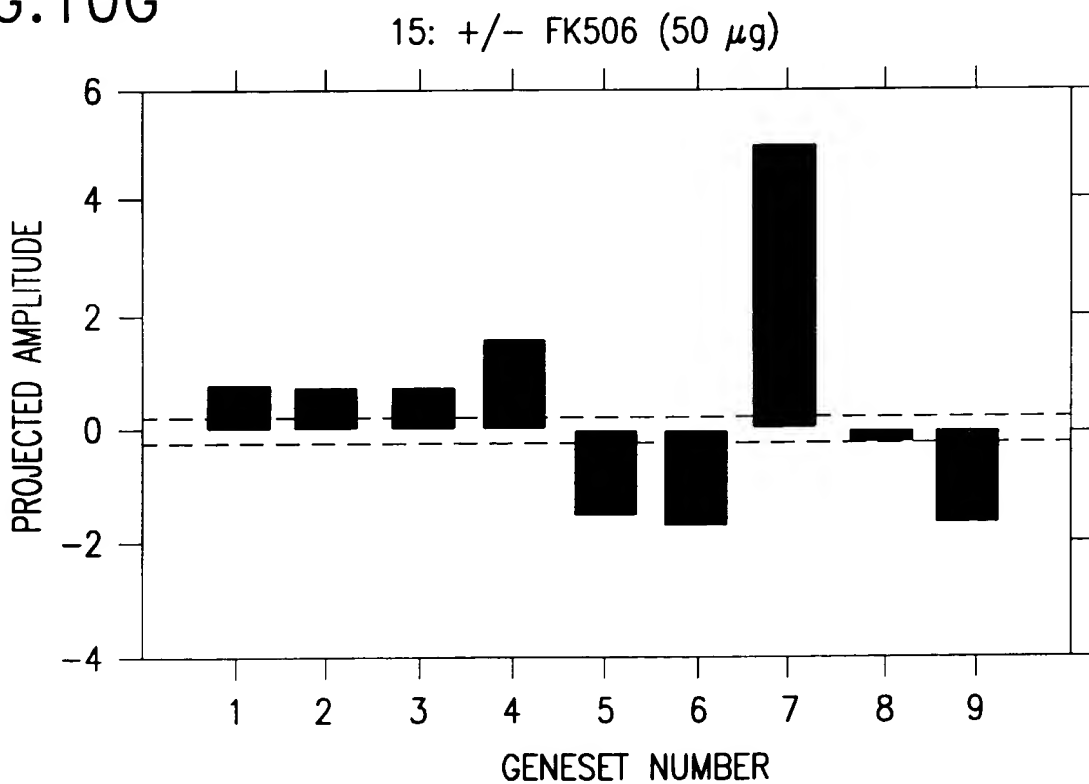


FIG.10H

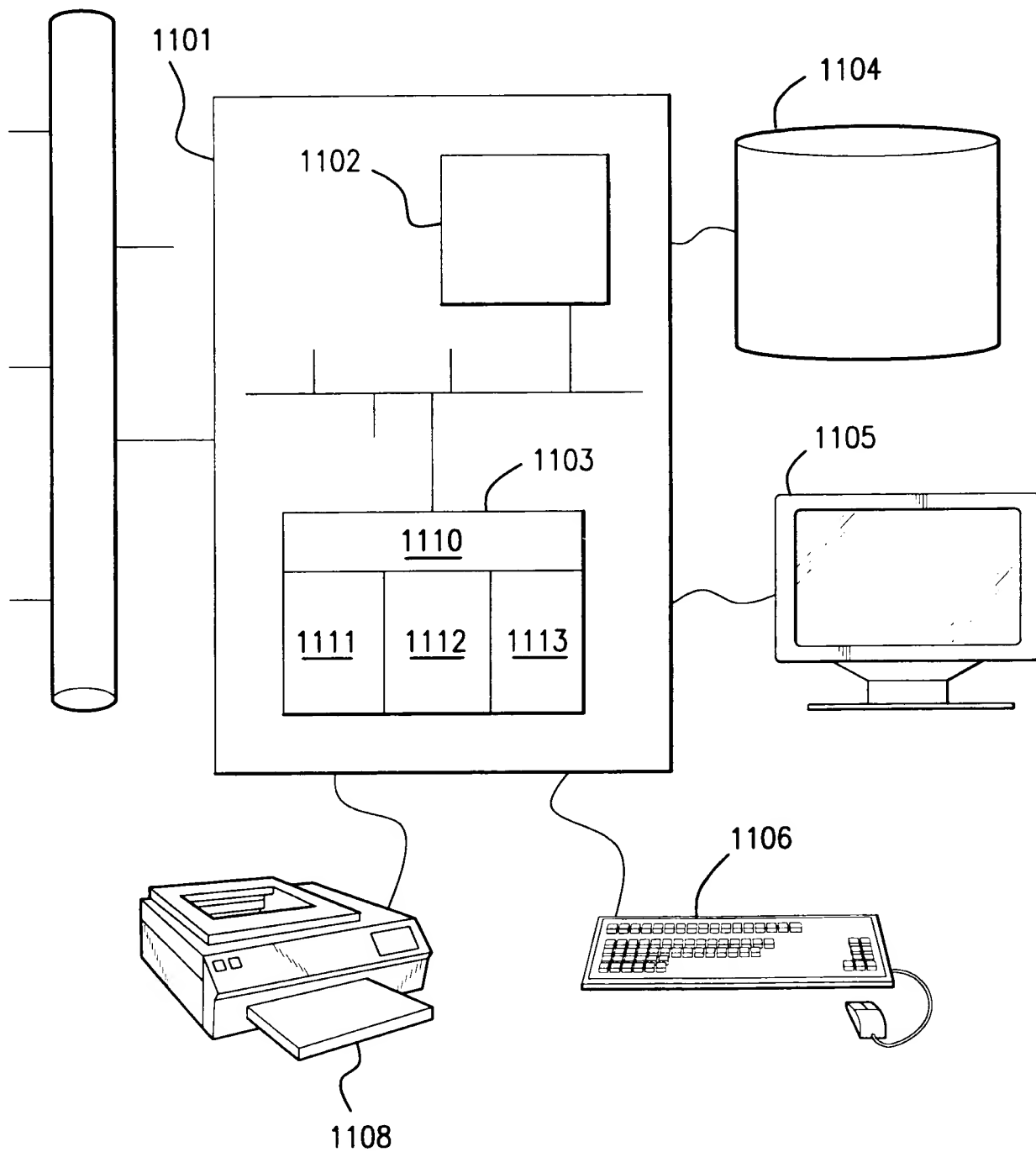


FIG.11